



5            4. A clamping apparatus as set forth in claim 2,  
wherein the pull rod (12) is connected to the driving  
means (15) so as to be radially movable and an annular  
gap (31) is defined between the housing (11) and an  
outer peripheral surface of the annular member (13).

6. A clamping apparatus as set forth in claim 1, wherein the support means (29) comprises a push spring (27) urging the engaging member (14) toward the second end of the axial direction.

25           8. A clamping apparatus as set forth in claim 7,  
wherein the pull rod (12) is detachably connected to the  
driving means (15).

10. A clamping apparatus as set forth in claim 2,  
wherein the support means (29) comprises a push spring  
35 (27) urging the engaging member (14) toward the second

11. A clamping apparatus as set forth in claim 2, wherein the housing (11) is detachably provided with an adapter block (22) for receiving the object (1) to be fixed, the pull rod (12) being inserted into the adapter block (22) movably in the axial direction.

12. A clamping apparatus as set forth in claim 3,  
wherein the support means (29) ~~comprises~~ a push spring  
(27) urging the engaging member (14) toward the second  
10 end of the axial direction.

13. A clamping apparatus as set forth in claim 3,  
wherein the housing (11) is detachably provided with an  
adapter block (22) for receiving the object (1) to be  
fixed, the pull rod (12) being inserted into the adapter  
15 block (22) movably in the axial direction.

20

25

30

35